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SPECIFICATIONS

CIO-PDISO8

Isolated Relay Outputs



**MEASUREMENT
COMPUTING™**

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Power Consumption

+5V	
All relays off	0.20 A typical
All relays on	0.70 A typical

Relay Specifications

Relays	8
Contact Configuration	5 Form C, SPDT (Relays 0 to 4) and 3 Form A, SPST, NO, Relays 5 to 7)
Contact Rating (resistive load)	7 A / 30VDC or 10 A / 125VAC
Contact Resistance	50 milliohms
Coil Resistance	70 ohms
Isolation:	
Between open contacts	750VAC, 50/60HZ, 1 minute
Between coil and contacts	1500VAC, 50/60HZ, 1 minute
Operate Time	10 milliseconds maximum
Release Time	5 milliseconds maximum
Vibration	10 to 55Hz (Dual amplitude 1.5mm)
Shock	10 G (11 milliseconds)
Insulation Resistance	100 Megohms minimum (500V @ 1 minute)
Life Expectancy:	
Mechanical	10 ⁷ mechanical operations, minimum
Electrical	100,000 minimum at full load

Isolated Inputs

Number	8
Type	Non-polarized, opto-isolated (Not TTL compatible)
Voltage Range	
DC	5 to 28V
AC	5 to 28V (50 to 1000 Hz)
Isolation	500V
Resistance	1.6 KOhms minimum
Response	
Without filter	20 μ s
With filter	5 ms
Filters Time constant	5 ms; each input switch- selectable

Connector

Connector type	37-pin, D-type (male)
Current Rating	2 A

Environmental

Operating temperature range	0 to 50°C
Storage temperature range	-20 to 70°C
Humidity	0 to 95% non-condensing
Weight	8 oz.
Size	3-7/8" (99mm) tall excluding gold fingers 6-1/2" (164mm) long

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